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**POLYPEPTIDE SEQUENCE OF HUMAN TRIOSEPHOSPHATE ISOMERASE
(GENBANK ACCESSION NO. AAB51316 (SEQ ID NO. 1))**

1 MAPSRKFFVG GNWKMNCRKQ SLGELIGTLN AAKVPADTEV VCAPPTAYID FARQKLDPKI
61 AVAAQNCYKV TNGAFTGEIS PGMIKDCGAT WVLGHSERR HVFGESELI GQKVAHALAE
121 GLGVIACIGE KLDEREAGIT EKVVFEQTKV IADNVKDWSK VVLAYEPVWA IGTGKTATPQ
181 QAQEVHEKLR GWLKSNSVSDA VAQSTRIIYG GSVTGATCKE LASQPDVDGF LVGGASLKPE
241 FVDIINAKQ

1/7

FIG. 1A

DNA SEQUENCE OF HUMAN TRIOSEPHOSPHATE ISOMERASE

(GENBANK ACCESSION NO. U47924 (SEQ ID NO. 2))

1 ATGGCGCCCT CCAGGAAGTT CTTCGTGGG GGAAACTGGA AGATGAACGG GCGGAAGCAG
61 AGTCTGGGG AGCTCATCGG CACTCTGAAC GCGGCCAAGG TGCCGGCCGA CACCGAGGTG
121 GTTTGTGCTC CCCCTACTGC CTATATCGAC TTCGCCCGGC AGAAGCTAGA TCCCAAGATT
181 GCTGTGGCTG CGCAGAACTG CTACAAAGTG ACTAATGGGG CTTTACTGG GGAGATCAGC
241 CCTGGCATGA TCAAAGACTG CGGAGCCACG TGGGTGGTCC TGGGGCACTC AGAGAGAAAG
301 CATGTCTTG GGGAGTCAGA TGAGCTGATT GGCAGAAAG TGGCCCATGC TCTGGCAGAG
361 GGA CTGGAG TAATCGCCTG CATTGGGGAG AAGCTAGATG AAAGGGAAGC TGGCATCACT
421 GAGAAGGTTG TTTTCGAGCA GACAAAGGTC ATCGCAGATA ACGTGAAGGA CTGGAGCAAG
481 GTCGTCCCTGG CCTATGAGCC TGTGTGGGCC ATTGGTACTG GCAAGACTGC AACACCCCAA
541 CAGGCCCAGG AAGTACACGA GAAGCTCCGA GGATGGCTGA AGTCCAACGT CTCTGATGCG
601 GTGGCTCAGA GCACCCGTAT CATTATGA GGCTCTGTGA CTGGGGCAAC CTGCAAGGAG
661 CTGGCCAGCC AGCCTGATGT GGATGGCTC CTTGTGGGTG GTGCTTCCCT CAAGCCCGAA
721 TTCGTGGACA TCATCAATGC CAACAATGA

3/7

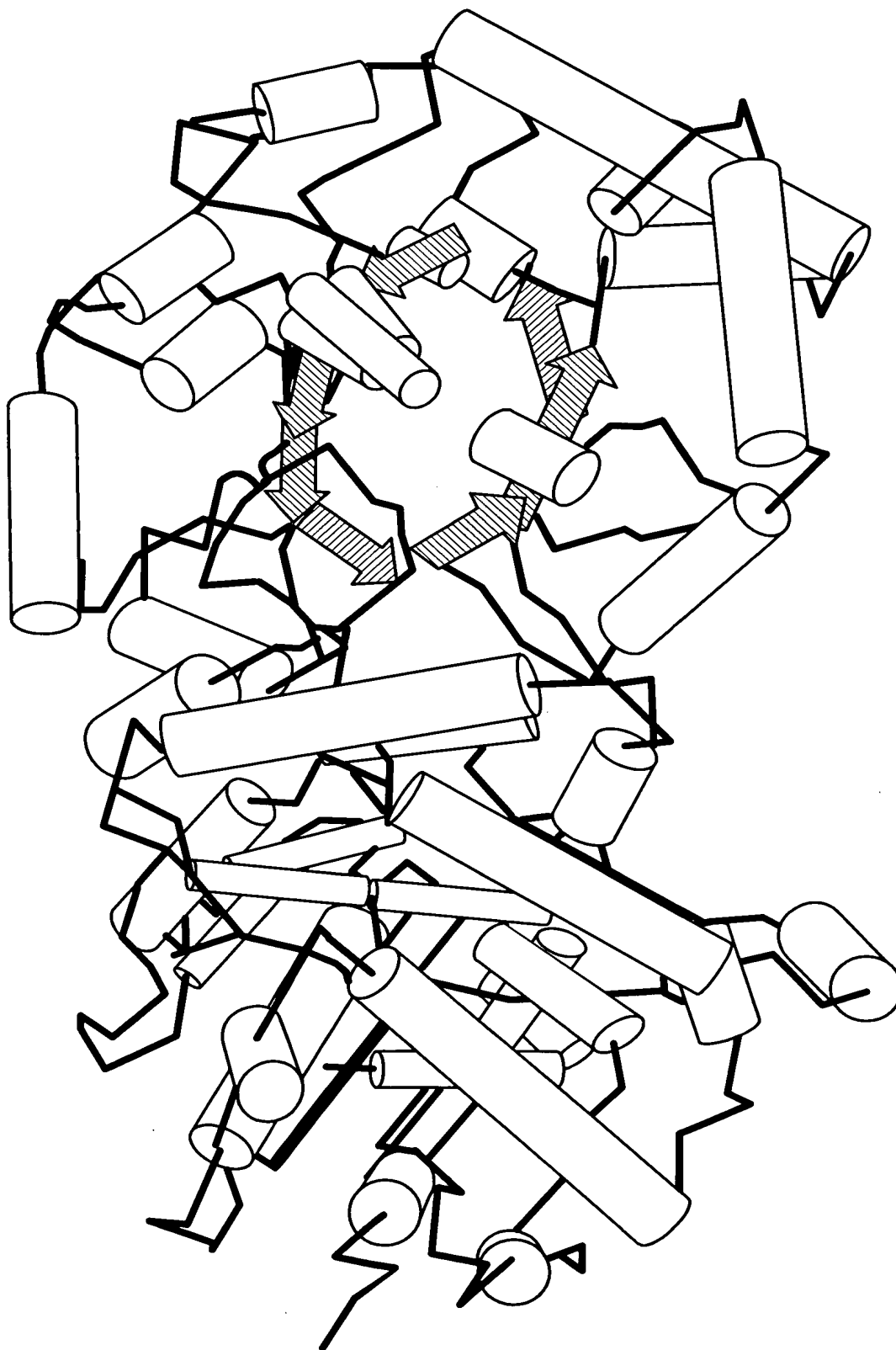


FIG. 2

Effects of Doxorubicin treatment on protein expression in Ovarian tumor cells

FIG. 3A-1
FIG. 3A-2
FIG. 3A-3

FIG. 3A

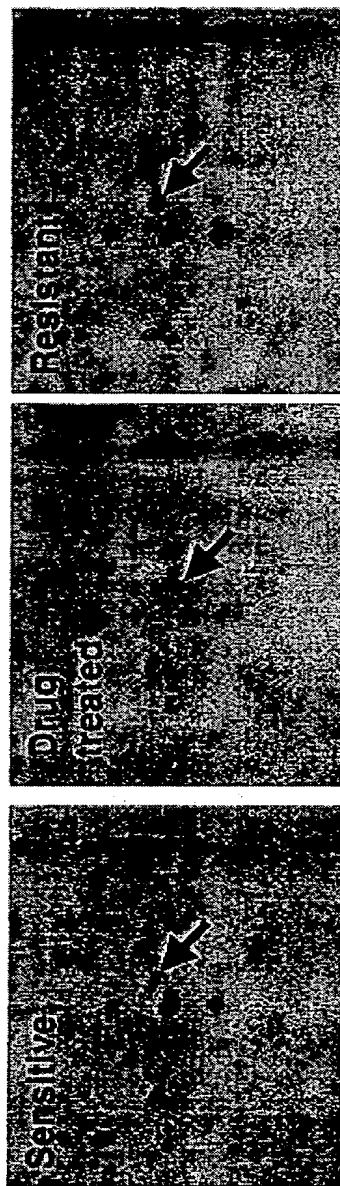
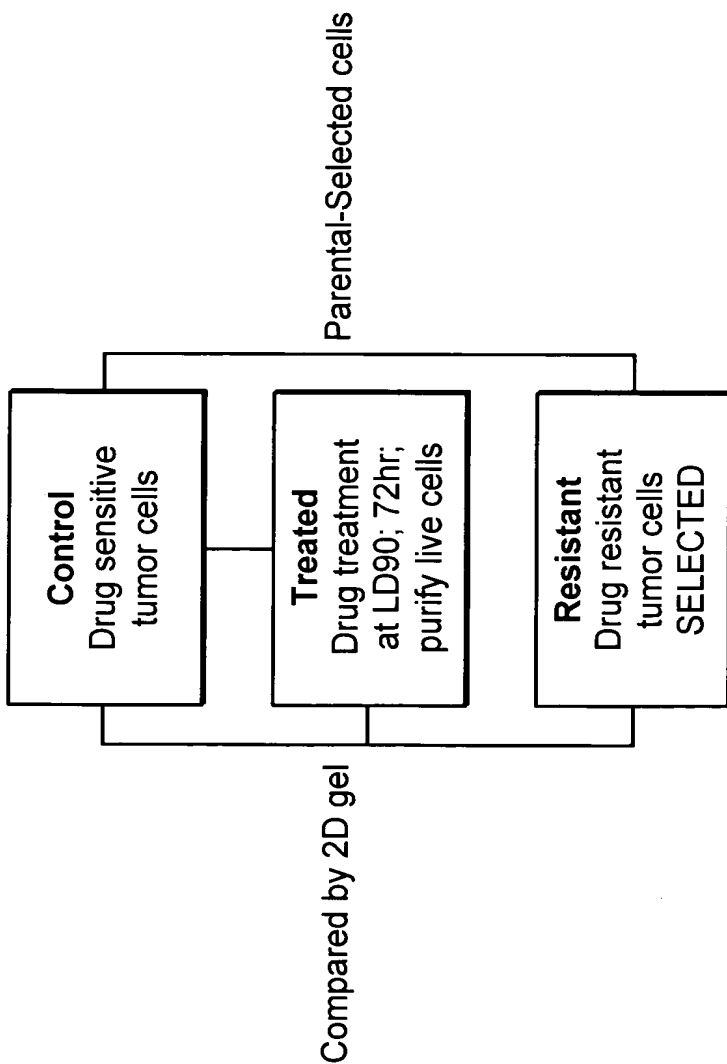


FIG. 3A-1



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ProFound – Search Result Details

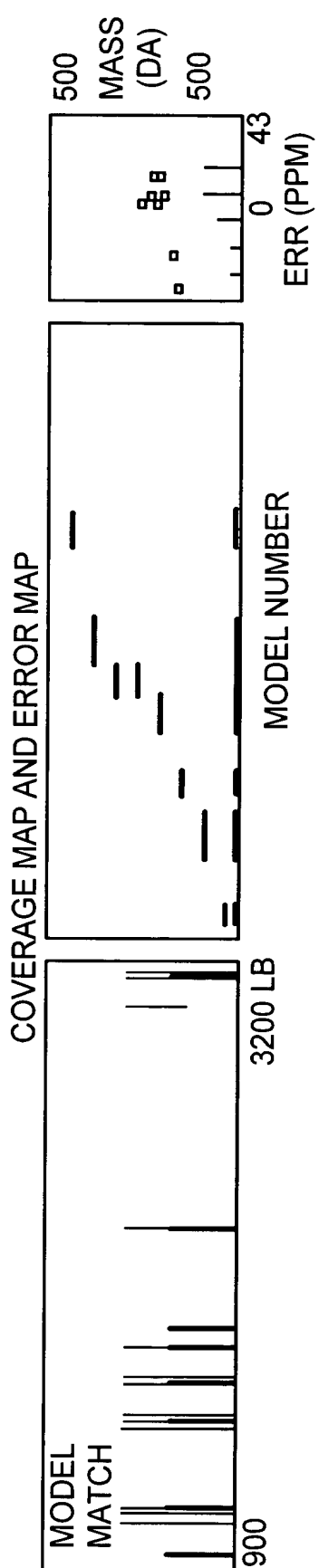
Details for rank 1 candidate in search C28F6E87-0218-373F4721

gi|999892|pdb|1HTI|A Chain A, Triosephosphate Isomerase (Tim) (E.C.5.3.1.1) Complexed With 2-Phosphoglycolic Acid

gi|999893|pdb|1HTI|B Chain B, Triosephosphate Isomerase (Tim) (E.C.5.3.1.1) Complexed With 2-Phosphoglycolic Acid

Sample ID : [Pass:0]
Measured peptides : 16
Matched peptides : 8
Min. sequence coverage: 40%

FIG. 3A-2



Measured Mass (M)	Avg/ Mono Mass	Computed Mass	Error (ppm)	Residues Start	Residues To Cut	Missed	Peptide Sequence
953.441	M	953.476	-36	6	13	0	FEVGGNWK
1136.540	M	1136.564	-21	59	68	0	IAVAAQNCYK
1457.724	M	1457.714	7	100	112	0	HVFGESDELIGQK
1601.906	M	1601.881	16	160	174	0	VVLAYEPVWAIGTGK
1613.820	M	1613.815	3	99	112	1	RHVFGESDELIGQK
1741.859	M	1741.831	16	85	99	1	DCGATWVVLGHSERR
1806.978	M	1806.965	7	113	130	0	VAHALAEGGLVIACIGEK
2191.067	M	2191.061	3	33	52	0	VPADTEVVCAPPTAYIDFAR

FIG. 3A-3

Differentially Expressed Proteins Following Limited Drug Treatment
And
Are ALTERED in Selected Drug Resistant Cells

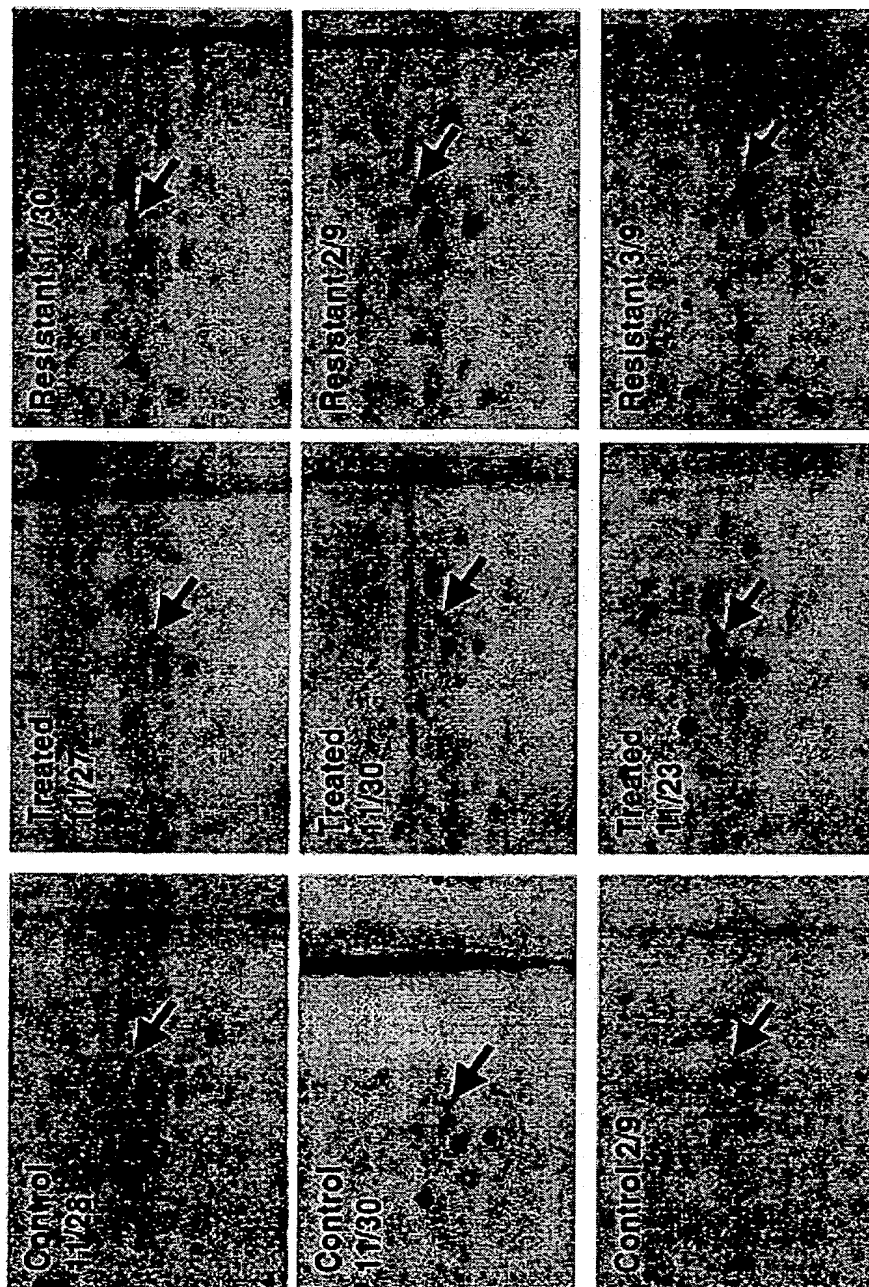


FIG. 3B